

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
 Data File : BF107188.D
 Acq On : 6 Jul 2018 22:06
 Operator : JU/SJ
 Sample : J3874-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2018-NYSEG-MCMaster-PH4-5(3-

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.560	323	378	380	rBV2	4351	64167	6.03%	0.502%
2	5.184	480	484	543	rVB	130088	164016	15.41%	1.283%
3	5.596	549	554	580	rVB	963398	1041004	97.78%	8.145%
4	6.601	720	725	742	rBV	901010	1064591	100.00%	8.330%
5	6.731	742	747	767	rVB	1058711	1056981	99.29%	8.270%
6	6.943	778	783	791	rVB	393241	327222	30.74%	2.560%
7	7.101	804	810	848	rVB	931060	808057	75.90%	6.322%
8	7.513	873	880	902	rBV	654605	645173	60.60%	5.048%
9	8.231	997	1002	1031	rVB	369244	399446	37.52%	3.125%
10	9.301	1176	1184	1192	rBV	1054382	974296	91.52%	7.623%
11	9.695	1245	1251	1260	rVB	119524	112133	10.53%	0.877%
12	9.984	1296	1300	1310	rVB	388727	368631	34.63%	2.884%
13	10.783	1429	1436	1446	rBV	584688	561903	52.78%	4.396%
14	11.478	1549	1554	1557	rBV	338754	341175	32.05%	2.669%
15	11.983	1637	1640	1643	rBV	62679	55548	5.22%	0.435%
16	12.119	1656	1663	1666	rVB2	28449	55100	5.18%	0.431%
17	12.701	1757	1762	1770	rBV	248116	223610	21.00%	1.750%
18	12.930	1794	1801	1807	rBV	224809	255225	23.97%	1.997%
19	13.060	1817	1823	1834	rVB	998282	883108	82.95%	6.910%
20	13.260	1850	1857	1862	rVB2	43377	66230	6.22%	0.518%
21	13.325	1862	1868	1871	rBV	39023	46691	4.39%	0.365%
22	13.360	1871	1874	1887	rVB3	23369	46718	4.39%	0.366%
23	13.489	1893	1896	1913	rBV4	24947	48239	4.53%	0.377%
24	13.607	1913	1916	1935	rBV4	21738	54657	5.13%	0.428%
25	13.936	1970	1972	1999	rBV5	62339	94106	8.84%	0.736%
26	14.130	1999	2005	2021	rBV2	512539	723385	67.95%	5.660%
27	14.254	2021	2026	2069	rBV9	30607	245284	23.04%	1.919%
28	14.560	2075	2078	2129	rVV8	40000	130487	12.26%	1.021%
29	14.877	2129	2132	2155	rVB	41346	95829	9.00%	0.750%
30	15.036	2155	2159	2184	rBV	40658	85681	8.05%	0.670%
31	15.207	2184	2188	2205	rVV2	89495	272133	25.56%	2.129%
32	15.318	2205	2207	2220	rVB	26239	32648	3.07%	0.255%
33	15.530	2239	2243	2250	rVB	47307	56530	5.31%	0.442%
34	15.595	2250	2254	2262	rVV2	72130	146535	13.76%	1.147%

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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

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35	15.666	2262	2266	2333	rVV2	254129	477531	44.86%	3.736%
36	16.077	2333	2336	2460	rVB8	34976	384329	36.10%	3.007%
37	17.724	2612	2616	2827	rVB3	22404	372352	34.98%	2.913%

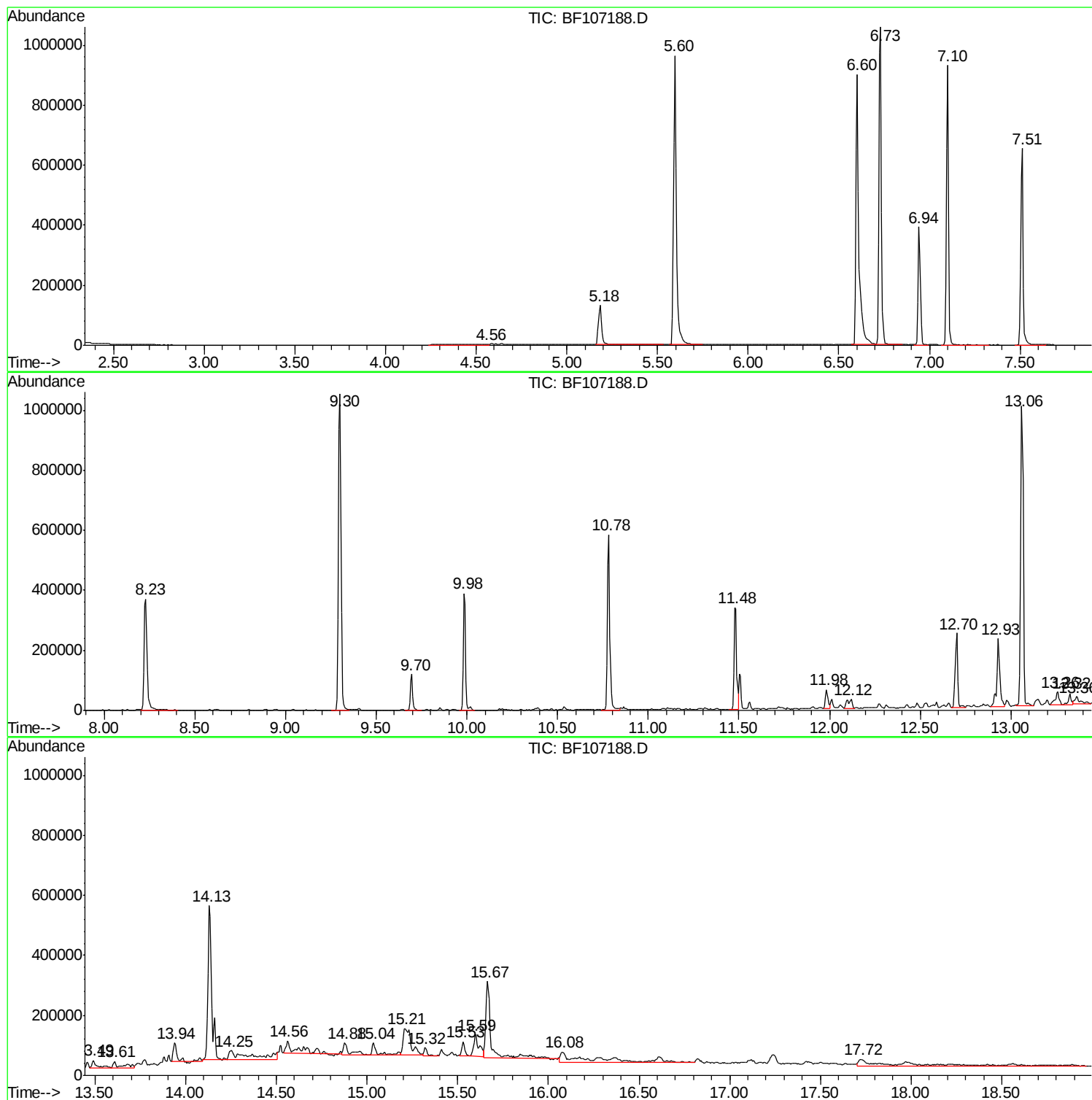
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P



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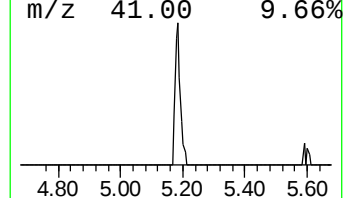
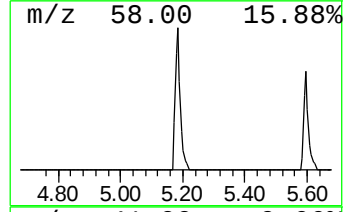
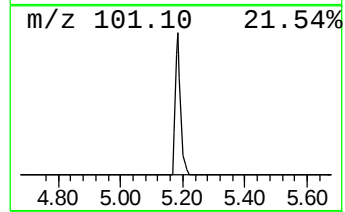
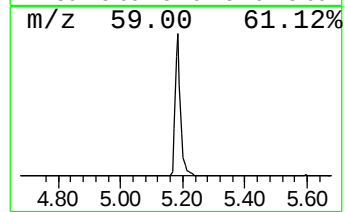
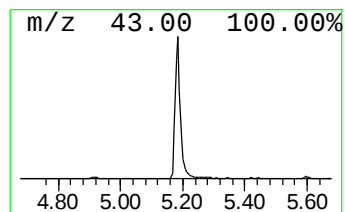
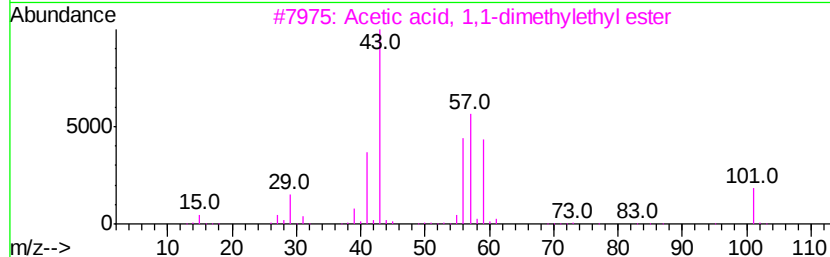
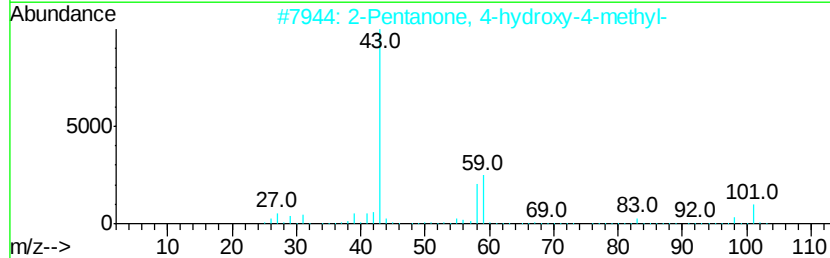
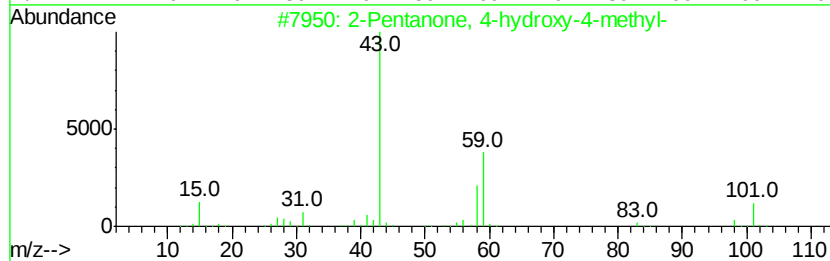
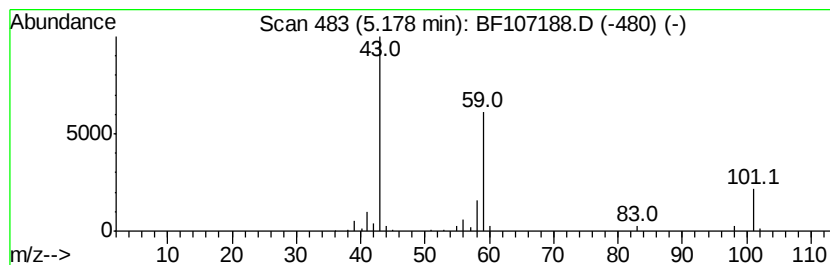
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	10.02 ng	164016	1,4-Dichlorobenzene-d4	6.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
4		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28



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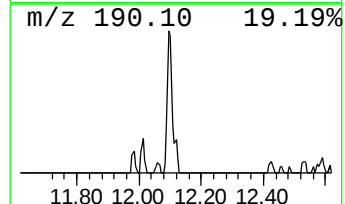
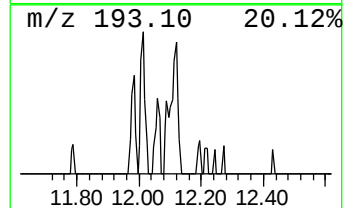
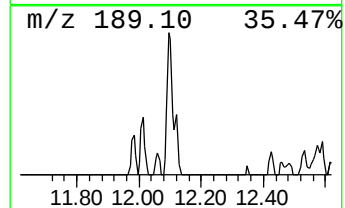
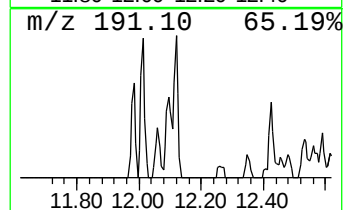
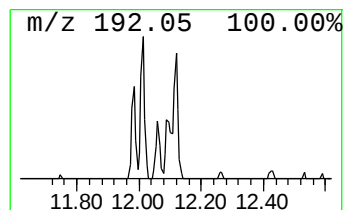
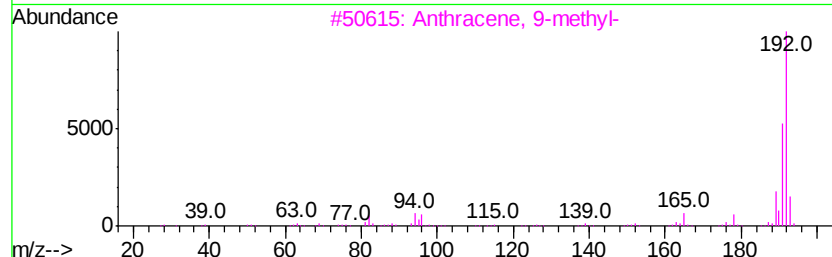
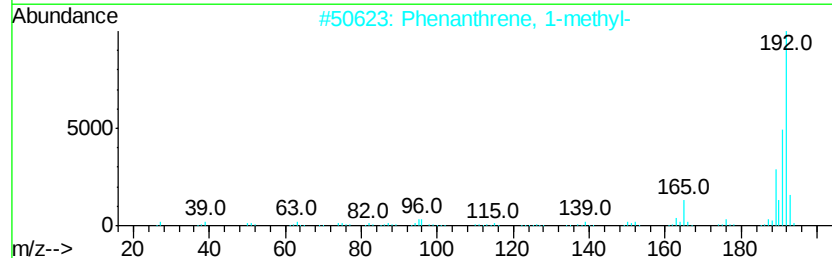
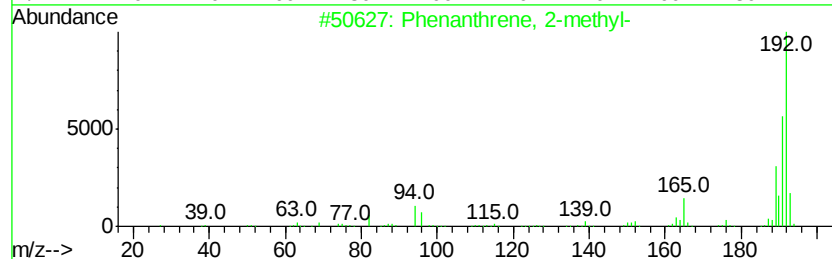
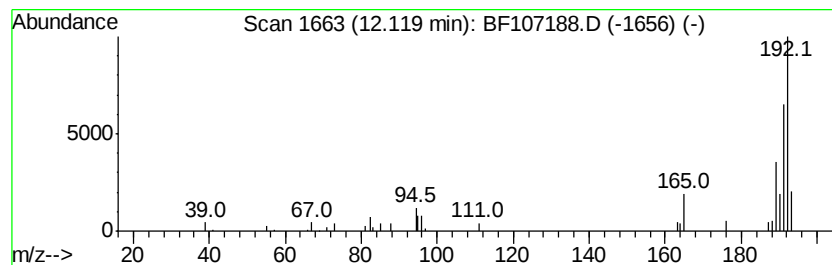
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Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.23 ng	55100	Phenanthrene-d10	11.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
4		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	81



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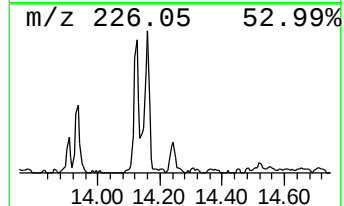
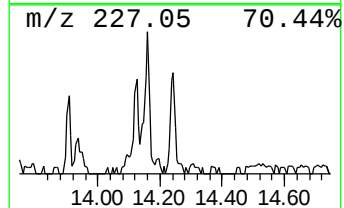
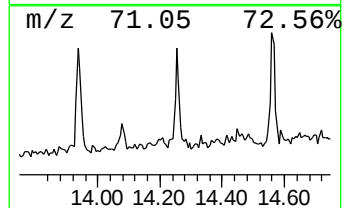
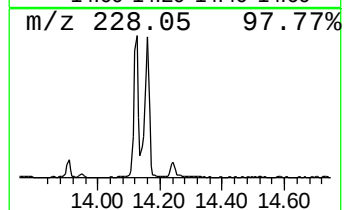
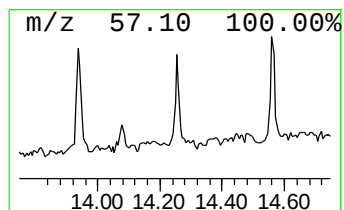
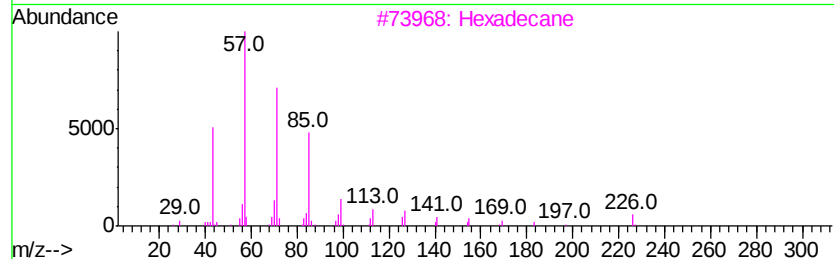
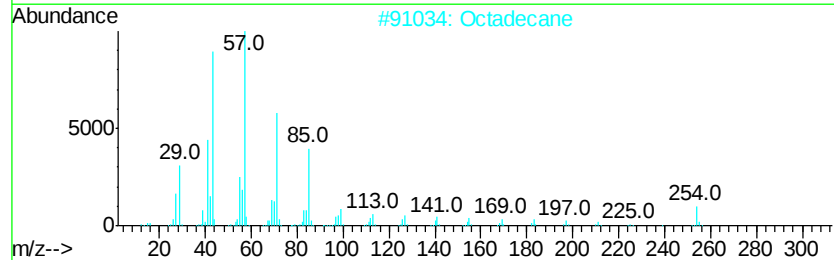
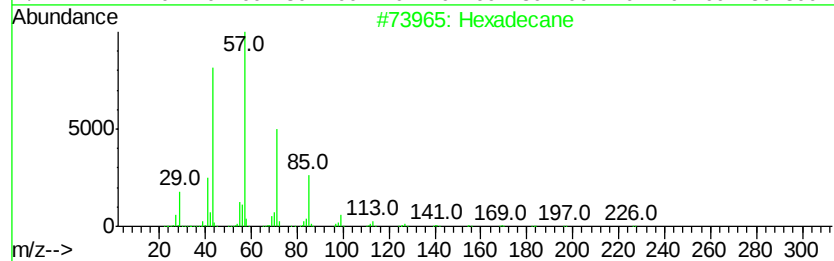
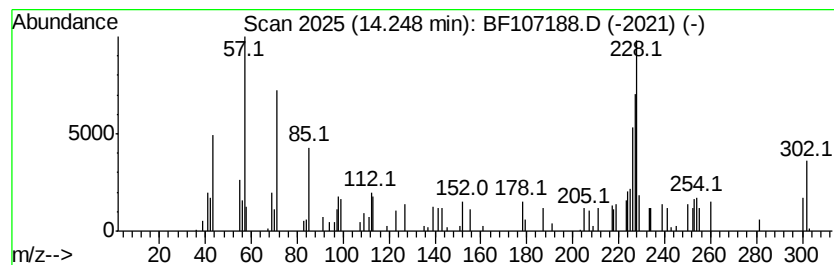
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P

Peak Number 5 Hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	6.78 ng	245284	Chrysene-d12	14.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	91
2		Octadecane	254	C18H38	000593-45-3	91
3		Hexadecane	226	C16H34	000544-76-3	90
4		Octadecane	254	C18H38	000593-45-3	90
5		Hexadecane	226	C16H34	000544-76-3	83



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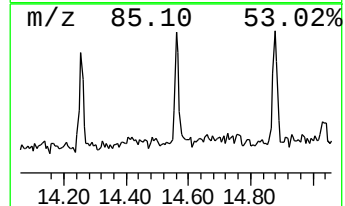
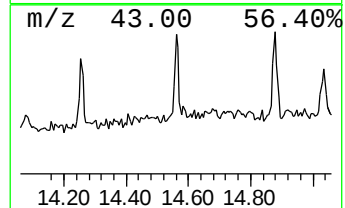
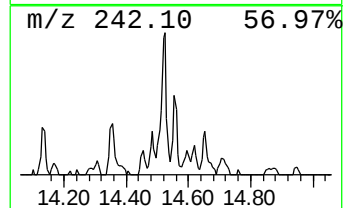
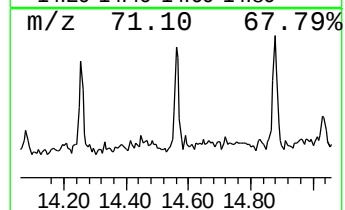
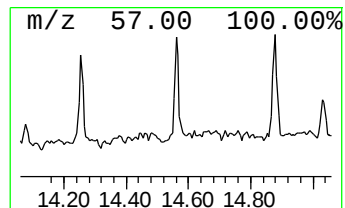
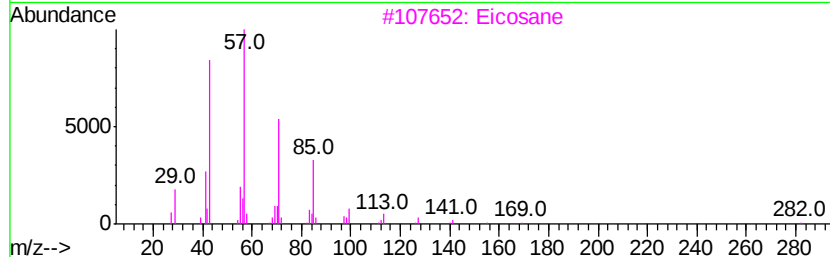
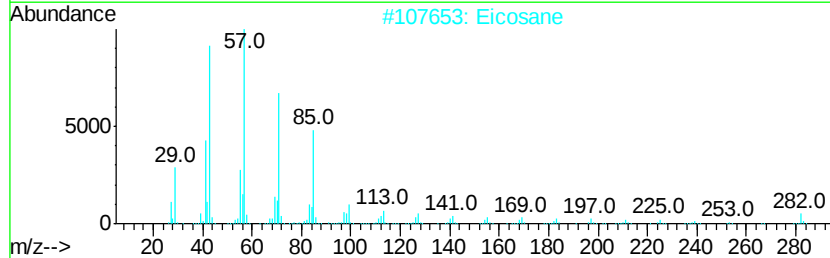
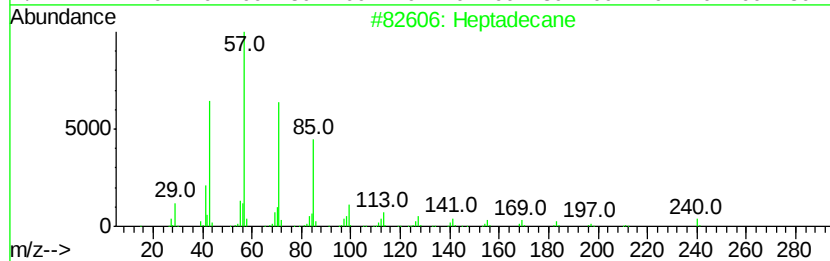
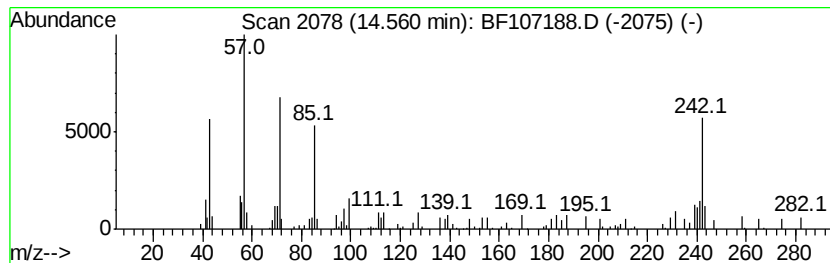
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Peak Number 6 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	3.61 ng	130487	Chrysene-d12	14.14

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	70
2	Eicosane		282	C20H42	000112-95-8	64
3	Eicosane		282	C20H42	000112-95-8	64
4	Hexadecane		226	C16H34	000544-76-3	60
5	Hexacosane		366	C26H54	000630-01-3	41



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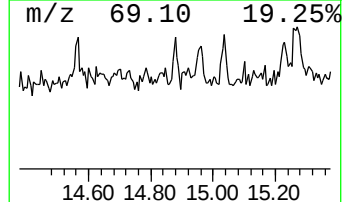
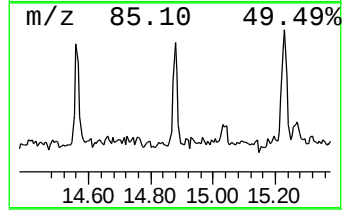
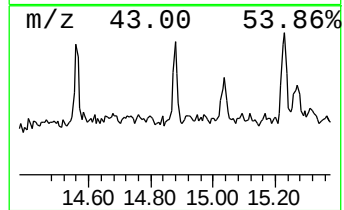
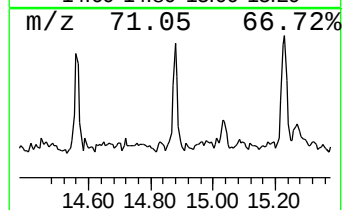
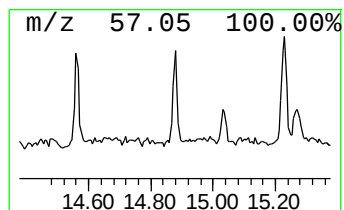
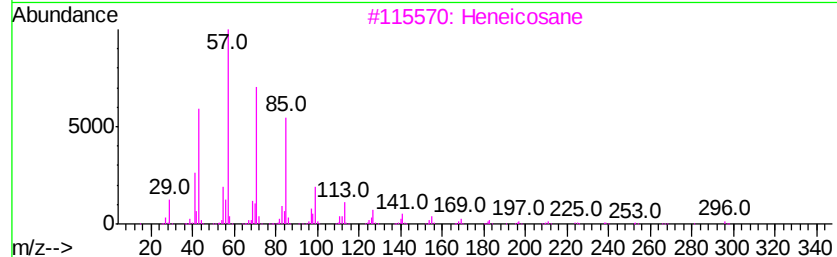
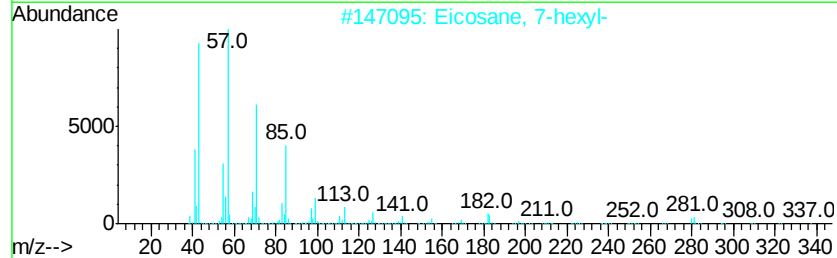
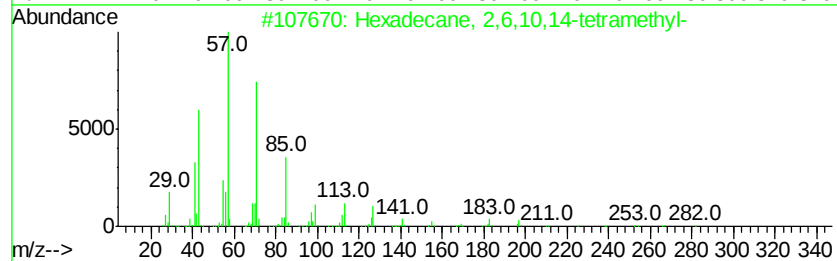
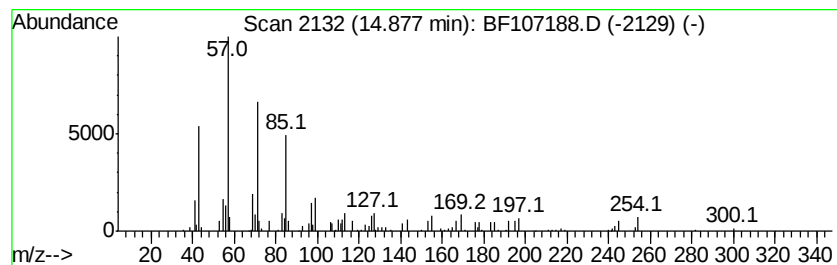
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 7 Hexadecane, 2,6,10,14-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.88	2.65 ng	95829	Chrysene-d12	14.14	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	89
2	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	87
3	Heneicosane	296	C21H44	000629-94-7	83
4	Octadecane	254	C18H38	000593-45-3	81
5	Octadecane	254	C18H38	000593-45-3	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107188.D
Acq On : 6 Jul 2018 22:06
Operator : JU/SJ
Sample : J3874-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

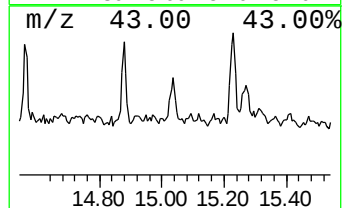
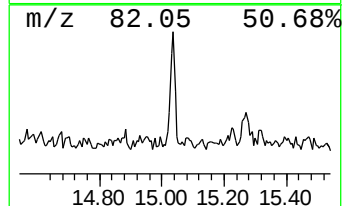
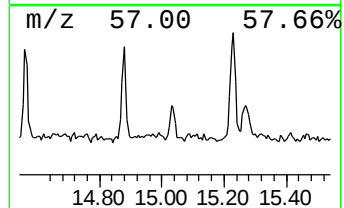
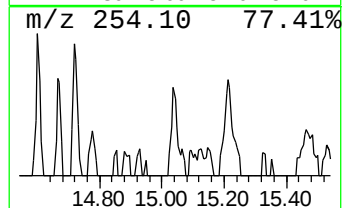
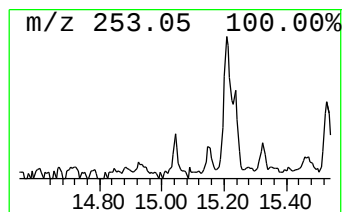
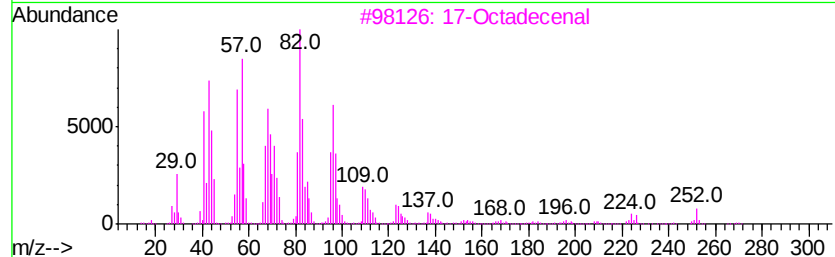
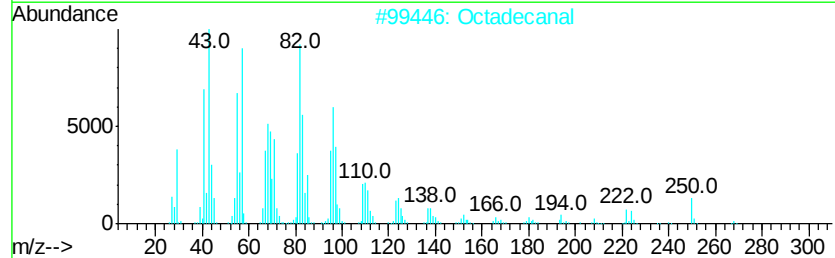
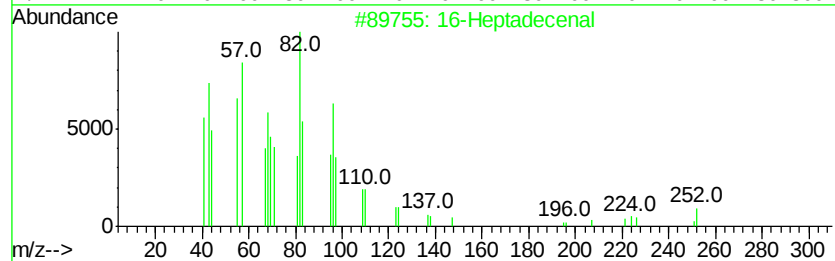
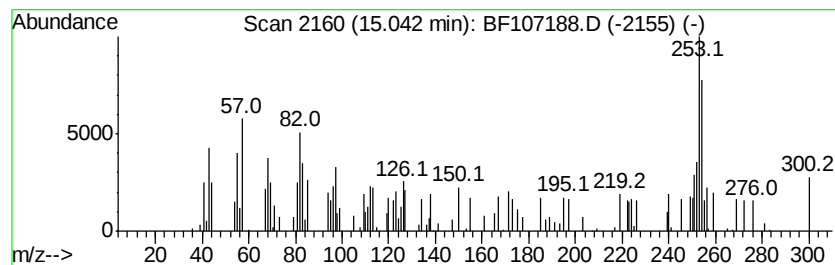
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2018-NYSEG-MCMaster-PH4-5(3-

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P

Peak Number 8 16-Heptadecenal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.04	3.59 ng	85681	Perylene-d12	15.67	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Heptadecenal	252	C17H32O	1000144-57-9	52
2	Octadecanal	268	C18H36O	000638-66-4	42
3	17-Octadecenal	266	C18H34O	056554-86-0	38
4	16-Octadecenal	266	C18H34O	056554-87-1	30
5	Octadecanal	268	C18H36O	000638-66-4	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070618\
Data File : BF107188.D
Acq On : 6 Jul 2018 22:06
Operator : JU/SJ
Sample : J3874-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-MCMaster-PH4-5(3-

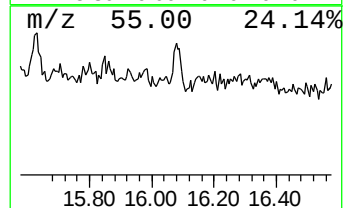
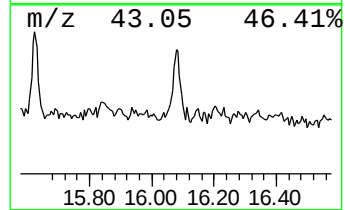
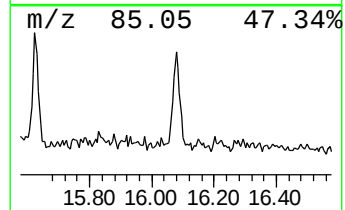
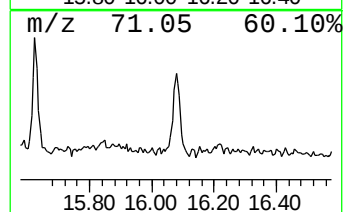
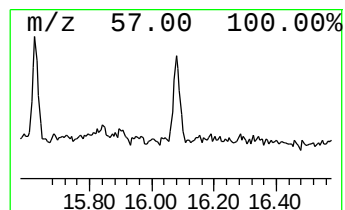
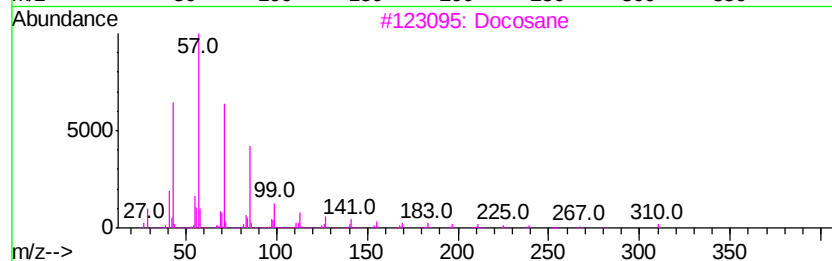
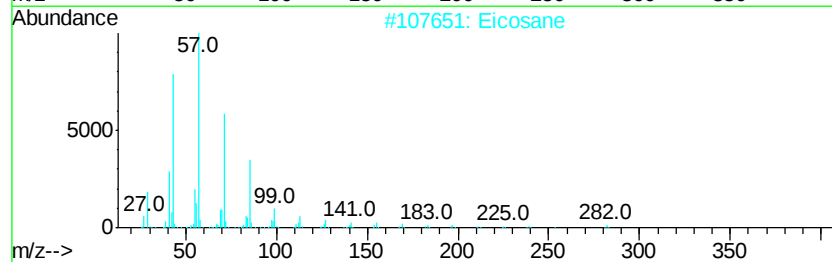
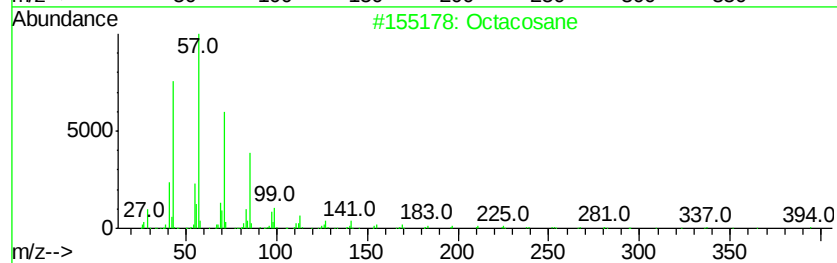
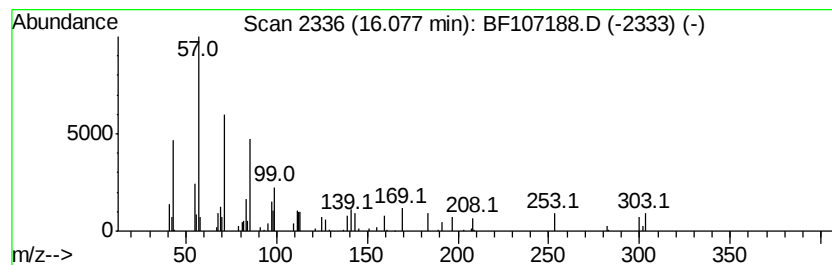
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P

Peak Number 10 Octacosane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	16.10 ng	384329	Perylene-d12	15.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	53
2		Eicosane	282	C20H42	000112-95-8	52
3		Docosane	310	C22H46	000629-97-0	50
4		Eicosane	282	C20H42	000112-95-8	50
5		Eicosane	282	C20H42	000112-95-8	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070618\
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Operator : JU/SJ
Sample : J3874-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2018-NYSEG-MCMaster-PH4-5(3-

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: RTEINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.18	10.0	ng	164016	1	6.94	327222	20.0
Phenanthrene, 2-m...	12.12	3.2	ng	55100	4	11.48	341175	20.0
Hexadecane	14.25	6.8	ng	245284	5	14.14	723385	20.0
Heptadecane	14.56	3.6	ng	130487	5	14.14	723385	20.0
Hexadecane, 2,6,1...	14.88	2.6	ng	95829	5	14.14	723385	20.0
16-Heptadecenal	15.04	3.6	ng	85681	6	15.67	477531	20.0
Octacosane	16.08	16.1	ng	384329	6	15.67	477531	20.0